

PATENT APPLICATION FOR:

Method for controlling a unit for the treatment by pressure swing adsorption of at least one feed gas

in the name of:

L'AIR LIQUIDE, SOCIETE ANONYME A DIRECTOIRE ET CONSEIL
DE SURVEILLANCE POUR L'ETUDE ET L'EXPLOITATION DES
PROCEDES GEORGES CLAUDE

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ABSTRACT

The treatment unit (16) comprises N adsorption units, N being greater than or equal to 1, operating on a parametrized cycle split uniformly into at most N phase times. Further more, use is made of a control unit (30) for controlling the treatment unit (16), designed to modify at least one parameter of the cycle. Each time there is a predicted change in the composition of the feed gas, the control unit (30) is sent a pre-established signal representing this change. The processing unit (30) then processes the said signal to determine the parameters of an exceptional operating cycle of the treatment unit (16) which cycle is suited to the said predicted change.

Application to the production of practically pure hydrogen.

Figure 4.